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Photographic UBV magnitudes have been measured for this peculiar emission-line F supergiant on plates taken by Mr. B. Pettersson with the Uppsala Southern Station Schmidt telescope at Mount Stromlo Observatory, Australia. The results are, with an estimated error of  $\pm 0.1$  mag.:

	V	B	U
13 Oct, 1980	9.0	9.75	10.4
29 Nov, 1980	9.15	10.0	10.7
9 Dec, 1980	9.6	10.4	11.15

When compared to earlier photometry (Turner 1977, Welin 1977 and 1978), these values indicate that the conclusion drawn by me in 1978, viz. that the star is redder when it is bright, is no longer tenable. Rather, the colours of the star change erratically.

In part this may be caused by rapid variations, that make at least photographic determinations to relate to slightly different brightness levels. Thus from 29 Nov two U plates, and from 9 Dec two B plates, are available, showing small but possibly significant magnitude differences, of the order of slightly more than 0.1 mag., on 9 Dec in less than ten minutes. (The values given above are weighted means.)

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References:

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